

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

1. (Currently Amended) A method of monitoring remote control transmissions, comprising:

identifying to a recipient device ~~an~~ a plurality of intended target appliances;

receiving at the recipient device a transmission from the remote control;

determining at the recipient device if the transmission from the remote control is intended to command an operation of one of the plurality of intended target appliances; and

when the transmission from the remote control is determined to be intended to command an operation of one of the plurality of intended target appliances, comparing using the transmission from the remote control against a plurality of commands maintained within the recipient device to update data maintained within the recipient device such that the updated data reflects a state of the one of the plurality of intended target appliances which will result from the one of the plurality of intended target appliances performing the operation.

2. (Original) The method as recited in claim 1, wherein the data is maintained within a state table.

3. (Currently Amended) The method as recited in claim 1, comprising updating the data

maintained within the recipient device only in cases where the transmission from the remote control is intended to command a toggled operation of the one of the plurality of intended target appliances.

4. (Original) The method as recited in claim 1, comprising placing the data into a known state upon the recipient device receiving a reset command.

5. (Original) The method as recited in claim 4, wherein the reset command is received via the remote control.

6. (Currently Amended) The method as recited in claim 4, wherein the reset command is received via manual activation of a reset button on the recipient device.

7. (Currently Amended) The method as recited in claim 1, wherein determining if the transmission from the remote control is intended to command an operation of the one of the plurality of intended target appliances comprises comparing the transmission a ~~command received~~ from the remote control against the plurality of a commands ~~code set~~ maintained within the recipient device.

8. (Currently Amended) The method as recited in claim 7, wherein identifying to a recipient device a plurality of an intended target appliances causes the plurality of the ~~commands~~ ~~code set~~ to be selected from a library of command code sets.

9. (Original) The method as recited in claim 8, wherein the library of command code sets is locally stored on the recipient device.

10. (Currently Amended) The method as recited in claim 8, wherein the library of command code sets is stored remotely from the recipient device and the selected plurality of commands ~~code set~~ are is downloaded into the recipient device.

11. (Currently Amended) The method as recited in claim ~~7~~ 1, wherein at least one of the commands in the plurality of commands ~~code set~~ is learned from the remote control.

12. (Currently Amended) A method of monitoring remote control transmissions, comprising:

identifying to a recipient device a plurality of an intended target appliances;

receiving at the recipient device a transmission from the remote control;

determining at the recipient device if the transmission from the remote control is intended to command an operation of one of the plurality of intended target appliances, and when the transmission from the remote control is determined to be intended to command an operation of one of the plurality of intended target appliances, using the transmission to update data maintained within the recipient device such that the data reflects a state of the one of the plurality of intended target appliances which will result from the one of the plurality of intended target appliances performing the operation;

transmitting from the recipient device to the remote control at least a portion of the maintained data; and

using the transmitted data within the remote control to determine if a transmission of a sequence of macro commands requires alteration given the state of the intended target appliance as indicated by the data.

13. (Currently Amended) The method as recited in claim 12, comprising updating the data maintained within the recipient device only in cases where the transmission from the remote control is intended to command a toggled operation of the one of the plurality of intended target appliances.

14. (Original) The method as recited in claim 12, comprising placing the data into a known state upon the recipient device receiving a reset command.

15. (Original) The method as recited in claim 14, wherein the reset command is received via the remote control.

16. (Original) The method as recited in claim 14, wherein the reset command is received via manual activation of a reset button on the recipient device.

17. (Currently Amended) The method as recited in claim 12, wherein determining if the transmission from the remote control is intended to command an operation of the one of the plurality of intended target appliances comprises comparing a command received from the remote control against a plurality of commands ~~code set~~ maintained within the recipient device.

18. (Currently Amended) The method as recited in claim 17, comprising identifying the plurality of intended target appliances to the recipient device to cause the plurality of commands ~~code set~~ to be selected from a library of command code sets.

19. (Original) The method as recited in claim 18, wherein the library of command code sets is locally stored on the recipient device.

20. (Currently Amended) The method as recited in claim 18, wherein the library of command code sets is stored remotely from the recipient device and the selected plurality of commands ~~are code set~~ is downloaded into the recipient device.

21. (Currently Amended) The method as recited in claim 17, wherein at least one of the plurality of commands ~~code set~~ is learned from the remote control.

22. (Currently Amended) The method as recited in claim 12, comprising using the data received from the recipient device to display via the remote control a state of the one of the plurality of intended target appliances.

23. (Currently Amended) The method as recited in claim 12, comprising accepting input into the remote control that reflects an intended state for the one of the plurality of intended target appliances in response to the remote control transmitting the macro command sequence.

24. (Currently Amended) The method as recited in claim 23, comprising using the received data within the remote control to omit from the macro command sequence those commands that would cause the one of the plurality of intended target appliances to be placed into a state other than the intended state.

25. (Original) The method as recited in claim 12, comprising transmitting from the recipient device to the remote control all maintained data.

26. (Original) The method as recited in claim 12, wherein the recipient device transmits to the remote control at least a portion of the maintained data in response to a query message received from the remote control.

27. (Currently Amended) A method of updating a data representative of a current state of an intended target appliance, comprising:

receiving a transmission from a remote control; and

comparing the transmission from the remote control to a plurality of commands to determine if ~~when~~ the transmission from the remote control is ~~determined to be~~ one for commanding an operation of the intended target appliance; and to update ~~updating~~ the data to represent the current state of the intended target appliance which will result from the intended target appliance performing the operation commanded.

28. (Original) The method as recited in claim 27, comprising supplementing the data with information obtained directly from the intended target appliance.

29. (Original) The method as recited in claim 27, wherein the data is maintained within a state table.

30. (Original) The method as recited in claim 27, comprising transmitting the data to a requesting remote control.

31. (Original) The method as recited in claim 27, comprising transmitting the data to a requesting personal computer.

32. (Original) The method as recited in claim 27, comprising transmitting the data to a remote device via an Internet connection.

33. (Original) The method as recited in claim 27, wherein the data is maintained locally within a device which receives the transmission.

34. (Original) The method as recited in claim 27, wherein the data is maintain remotely from a device which receives the transmission.

35. (Currently Amended) For use in a transmission monitoring device, a readable media having instructions for monitoring remote control transmissions, the instructions performing steps comprising:

receiving a transmission from a remote control; and

comparing the transmission from the remote control to a plurality of commands to determine ~~determining~~ if the transmission from the remote control is intended to command an operation of an intended target appliance; and ~~when the transmission from the remote control is determined to be intended to command an operation of the intended target appliance, using the transmission to update data whereby the updated data reflects a state of the intended target appliance which will result from the intended target appliance performing the operation.~~

36. (Currently Amended) The readable media as recited in claim 35, wherein the instructions perform the step of receiving data that identifies the plurality of commands ~~intended target appliance.~~

37. (Original) The readable media as recited in claim 35, wherein the instructions perform the step of transmitting at least a portion of the data to the remote control.

38. (Original) The readable media as recited in claim 35, comprising updating the data maintained within the recipient device only in cases where the transmission from the remote control is intended to command a toggled operation of the intended target appliance.

39. (Original) The readable media as recited in claim 35, wherein the instructions perform the step of placing the data into a known state upon receipt of a reset command.

40. (Original) The readable media as recited in claim 39, wherein the reset command is received via the remote control.

41. (Currently Amended) The readable media as recited in claim 39, wherein the reset command is received via manual activation of a reset button on the recipient device.

42. (Currently Amended) The readable media as recited in claim 35, wherein the plurality of commands comprise ~~determining if the transmission from the remote control is intended to command an operation of the intended target appliance comprises comparing a command received from the remote control against~~ a locally stored command code set.

43-44. (Canceled)

45. (Currently Amended) The readable media as recited in claim ~~42~~ 43, wherein the plurality of library of commands ~~code sets is~~ are remotely stored and ~~the selected command code set is~~ downloaded into local memory.

46. (Currently Amended) The readable media as recited in claim ~~42~~ 43, wherein the plurality of commands are ~~code set is~~ learned from the remote control.

47. (Currently Amended) A transmission monitoring system, comprising:
a remote control; and

a transmission monitoring device;

wherein the remote control and the transmission monitoring device are adapted to bi-directionally communicate;

wherein the transmission monitoring device comprises a readable media having instructions for comparing a transmission from the remote control to a plurality of commands to determine if the transmission from the remote control is intended to command an operation of an intended target appliance and ~~monitoring remote control transmissions, for receiving at the recipient device a transmission from a remote control, for using the transmission to update data to reflect a state of the~~ an intended target appliance which will result from the intended target appliance performing the operation, and for transmitting at least a portion of the data to the remote control; and

wherein the remote control comprises a readable media having instructions for using data received from the transmission monitoring device to determine if a transmission of a sequence of macro commands requires alteration given the state of the intended target appliance as indicated by the data.

48. (Currently Amended) The system as recited in claim 47, wherein the readable media of the transmission monitoring device has instructions for receiving data that identifies the intended target appliance to thereby select the plurality of commands.

49. (Original) The system as recited in claim 47, wherein the readable media of the transmission monitoring device has instructions for updating the data maintained within the recipient device only in cases where the transmission from the remote control is

intended to command a toggled operation of the intended target appliance.

50. (Original) The system as recited in claim 47, wherein the readable media of the transmission monitoring device has instructions for placing the data into a known state upon the receipt of a reset command.

51. (Original) The system as recited in claim 50, wherein the reset command is received via the remote control.

52. (Currently Amended) The system as recited in claim 50, wherein the reset command is received via manual activation of a reset button on the transmission monitoring device.

53-54. (Canceled)

55. (Currently Amended) The system as recited in claim ~~47~~ 54, wherein the plurality of ~~library of commands are code sets~~ is locally stored on the transmission monitoring device.

56. (Currently Amended) The system as recited in claim ~~47~~ 54, wherein the plurality of ~~library of commands are code sets~~ is stored remotely and ~~the selected command code set~~ is downloaded into a memory of the transmission monitoring device.

57. (Currently Amended) The system as recited in claim ~~47~~ 54, wherein the plurality of

~~commands are code-set~~ is learned from the remote control.

58. (Original) The system as recited in claim 47, wherein the readable media of the remote control has instructions for using the data received from the transmission monitoring device to display a state of the intended target appliance.

59. (Currently Amended) The system as recited in claim 47, wherein the readable media of the remote control has instructions for accepting input that reflects an intended state for the intended target appliance in response to the remote control transmitting the macro command sequence.

60. (Original) The system as recited in claim 59, wherein the readable media of the remote control has instructions for using the received data to omit from the macro command sequence those commands that would cause the intended target appliance to be placed into a state other than the intended state.

61. (Original) The system as recited in claim 47, wherein the readable media of the transmission monitoring device has instructions for transmitting to the remote control all data.

62. (Original) The system as recited in claim 47, wherein the readable media of the transmission monitoring device has instructions for transmitting to the remote control at least a portion of the data in response to a query message received from the remote

control.

63. (Canceled)

64. (Currently Amended) The readable media as recited in claim 35 ~~63~~, wherein the instructions perform the step of supplementing the data with information obtained directly from the intended target appliance.

65. (Currently Amended) The readable media as recited in claim 35 ~~63~~, wherein the data is maintained within a state table.

66. (Canceled)

67. (Currently Amended) The readable media as recited in claim 35 ~~63~~, wherein the instructions perform the step of transmitting the data to a requesting personal computer.

68. (Currently Amended) The readable media as recited in claim 35 ~~63~~, wherein the intended target appliance comprises the transmission monitoring ~~receiving~~ device.

69. (Currently Amended) The readable media as recited in claim 35 ~~63~~, wherein the data is maintained locally within the transmission monitoring ~~receiving~~ device.

70. (Currently Amended) The readable media as recited in claim ~~35~~ 63, wherein the data is maintain remotely from the transmission monitoring ~~receiving~~ device.